



Energy Solutions Industry

REAL TIME LABOR MARKET SUMMARY

February 2019

Energy Solutions Industry Labor Analysis Across the State During the Last 6 Months

A sampling of the Energy industry for the 6-month period showed over 5,500 job postings for top demand jobs. The top occupation was Software Developers, Applications, making up 5.6% of total job postings for the time period.

Top Job Postings		% Online Job Postings
SOC code	Occupation	
Now Occupations		
43-4051	Customer Service Representatives	2.1%
53-7062	Laborers and Freight, Stock, and Material Movers	1.3%
43-9061	Office Clerks, General	0.6%
51-9198	Helpers--Production Workers	0.3%
47-2061	Construction Laborers	0.2%
43-9051	Mail Clerks and Mail Machine Operators	0.2%
53-7064	Packers and Packagers, Hand	0.2%
37-2011	Janitors and Cleaners	0.2%
43-9021	Data Entry Keyers	0.2%
43-5071	Shipping, Receiving, and Traffic Clerks	0.2%
Next Occupations		
41-4012	Sales Representatives, Wholesale & Manufacturing	4.6%
49-9071	Maintenance and Repair Workers, General	1.6%
15-1151	Computer User Support Specialists	1.5%
43-6014	Secretaries and Administrative Assistants	1.4%
51-9061	Inspectors, Testers, Sorters, Samplers, & Weighers	1.1%
51-1011	First-Line Suprv. of Production & Operating Workers	1.0%
19-4099	Quality Control Analysts	0.9%
17-3019	Drafters, All Other	0.8%
53-3032	Heavy and Tractor-Trailer Truck Drivers	0.8%
51-9199	Production Workers, All Other	0.7%
Later Occupations		
15-1132	Software Developers, Applications	5.6%
11-9199	Managers, All Other	3.8%
17-2051	Civil Engineers	2.8%
17-2141	Mechanical Engineers	2.2%
17-2071	Electrical Engineers	1.8%
15-1199	Computer Systems Engineers/Architects	1.6%
11-2022	Sales Managers	1.6%
13-1071	Human Resources Specialists	1.6%
13-1111	Management Analysts	1.3%
15-1122	Information Security Analysts	1.2%

Occupations are divided into Now, Next and Later categories based on the typical training and education required. Now occupations typically require short-term on-the-job training, little to no experience, and/or a high school diploma. Next occupations typically require a non-degree certificate, associate's degree, apprenticeship, some experience, or moderate- to long-term training. Later occupations require a bachelor's degree or higher.

Over one-half (58%) of total job postings were found in the Later category, indicating this is an industry that demands technical and skilled labor.

The top five employers for the 6-month period of Aug. 1, 2018 - Jan. 31, 2019 were:

- Emerson Electric
- Burns & McDonnell
- Thermo Fisher Scientific Inc
- HNTB
- Jacobs Engineering Group Inc.

Energy Solutions Industry Skills and Certificates

Top 10 Basic Skills		Top 10 Specialized Skills	
Description	Rank	Description	Rank
Communication Skills	1	Scheduling	1
Teamwork / Collaboration	2	Project Management	2
Microsoft Excel	3	Customer Service	3
Problem Solving	4	Budgeting	4
Microsoft Office	5	Quality Assurance and Control	5
Research	6	Sales	6
Detail-Oriented	7	Repair	7
Planning	8	Customer Contact	8
Organizational Skills	9	AutoCAD	9
Writing	10	Calculation	10

Basic skills are the most numerous, found in the majority of job advertisements. Several soft skills such as communication, teamwork, and problem solving ranked in the top 10. Communication skills were found in two-fifths (40%) of total job postings. Top specialized skills included scheduling, project management, and customer service.

Top 10 Software Skills		Top 10 Certificates	
Description	Rank	Description	Rank
Microsoft Excel	1	Driver's License	1
Microsoft Office	2	Licensed Professional Engineer	2
Microsoft Powerpoint	3	Security Clearance	3
Microsoft Word	4	Project Management Certification	4
AutoCAD	5	IT Infrastructure Library (ITIL) Certification	5
SQL	6	American Board for Engineering & Technology (ABET) Accredited	6
Java	7	Certified Information Systems Security Professional (CISSP)	7
Software Development	8	Certified Public Accountant (CPA)	8
SAP	9	Project Management Professional (PMP)	9
Oracle	10	CompTIA Security+	10

Top requested software skills included several Microsoft Office programs, AutoCAD and SQL. Driver's License was the top requested certificate, followed by Licensed Professional Engineer and Security Clearance.

Notes:

Data for this analysis has been extracted using Burning Glass Technologies Labor/Insight™ tool which collects information from over 35,000 web sources, including job boards, newspapers, and employer websites. While this analysis presents a broad picture of hiring activity and serves as a measure of labor demand, it does not capture openings that are filled through other networks.

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